

Listing of Claims:

1. (Currently amended) A mMethod of triggered ultrasound imaging of the heart of a human or non-human animal subject administered with an ultrasound contrast agent ~~wherein comprising the step of operating an ultrasound machine used for said imaging by initiating one high-energy ultrasound pulse or a sequence of high energy ultrasound pulses is initiated~~ such that this one pulse or the first pulse of said sequence coincides with the R-wave of the ECG of the heart. ~~falls within the refractory period of the heart.~~

2. - 4. Canceled

5. (Currently amended) A mMethod as claimed in claim 1, ~~wherein in addition further comprising the step of initiating~~ low energy imaging pulses ~~are initiated~~ after the one high energy ultrasound pulse or the sequence of high energy pulses.

6. (Currently amended) A mMethod as claimed in claim 5, wherein the low energy imaging pulses are initiated at or around a T-wave of the ECG of the heart.

7. (Currently amended) A mMethod as claimed in claim 1, wherein the ultrasound imaging technique used is selected from destruction-wash-in imaging, triggered replenishment imaging and real-time perfusion imaging.

8. (Currently amended) A mMethod as claimed in claim 1, further comprising the step of assessing ~~used in assessments of~~ myocardial perfusion.

9. - 11. Canceled